## **EAST Search History**

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"6538470".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 17:32
S2	3	"20030141898"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 17:32
S3	34	["3473160"   "4871930"   "5128659"   "5128559"   "5128559"   "5371422"   "5483176"   "5889195"   "5754455"   "5825202"   "5874834"   "6069487"   "6154049"   "6154	US-PGPUB; USPAT; USOCR	OR	000	2007/03/01 17:49
S4	15344	"708"/\$.ccls. and @ad<"20040220"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 17:50
S5	96	(zheng.in. and leon.in.) or (langhammer.in. and martin.in.) or (prasad.in. and nitin.in.) or (starr.in. and greg.in.) or (hwang. in. and chiao.in.) or (harmalingam.in. and kumara.in.)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 17:52
S6	38	S5 and accumulat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 13:04
S7	6	S6 and concatenat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 17:56
S8	1	S6 and (concatenat\$3. clm.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 17:55
S9	4367	S4 and accumulat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 17:57

S10	3338	S9 and (multiplier\$1 or multiplication or multiplying)	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 17:57
S11	340	concatenat\$3 and S10	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 17:57
S12	119	S11 and programmable\$1	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/08 17:58
S13	0	S12 and S5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 17:58
S14	118	S12 and ("zero" or "0")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:49
S15	58	S14 and initializ\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 18:01
S16	49	chat.xa. and accumulat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 18:25
S17	73	chat.xa. and multiplier\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 18:25
S18	40	S17 not S16	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 18:25
S19	11	("4849922"   "5249146"   "5583803"   "5590066"   "5610849"   "5737256"   "5805482"   "6282555"   "6295320"   "6327602"). PN. OR ("6732131").	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 18:27

S20	21	("5053985"   "5181183"   "5249146"   "5345408"   "5452466"   "5574661"   "5610849"   "5636152"   "5671168"   "5936709"   "5925420"   "5986709"   "5995990"   "Re34734" ) PN. OR ("6295320"). UHPN.	US-POPUB; USPAT; USOCR	OR	ON	2007/03/01 18:34
S21	365	"708"/\$.ccis. and multiplier \$1 and accumulat\$3 and pixel\$1	US-PGPUB; USPAT; USOCR, FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 17:57
S23	156	\$21 and programmable\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:46
S24	32	("3872290"   "3980873"   "4718091"   "4720871"   "4747157"   "4791677"   "4937774"   "5005149"   "5027423").PN. OR ("5151953").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 18:41
S25	35	("3748451"   "4493048"   "4891689"   "4937774"   "5001663"   "5151953"   "5195050").PN. OR ("5311459").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 18:46
S26	1362	326/41.ccls. and @ad<"20040220"	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 18:47
S27	1448	326/41.ccls. and @ad< "20040220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 18:46
S28	80	\$27 and concatenat\$3 and rout\$3 and programmable \$1	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 18:47
S29	3	\$28 and accumulat\$3 and (multiplier\$1 or multiplication or multiplying)	US-PGPUB, USPAT; USOCR, FPRS, EPO, JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 18:48

\$30	**************************************	("3473160"   4871930"   1542655"   15122655"   15122655"   15371422"   15483178"   15689195"   15744980"   15754459"   15825202"   15874834"   16069487"   16215326"   16407576"   16407576"   16536470"   16556044"   16628140")   1670717"   16538470"   16556044"   16628140")   1670718"   167071808"   167071808"   167671408"   1676	US POPUB; USPAT; USOCR	OR	ON	2007/03/01 18:49
\$31	58	("20020002574"   "200200041658"   "2003000858"   "2003000858"   "2003000858"   "2003000858"   "2003000858"   "4777612"   "5043868"   "5258939"   "5282155"   "5297069"   "5282155"   "5502747"   "5500811"   "5502747"   "5517436"   "5502747"   "5517436"   "5502747"   "5517436"   "5502747"   "5517436"   "5502747"   "5517436"   "5502747"   "5748515"   "5764538"   "5680335"   "5710914"   "5748515"   "5764538"   "578025"   "55839108"   "578025"   "55839108"   "5780265"   "55839108"   "5941940"   "617537"   "6058408"   "6078941"   "6092194"   "6175370"   "6175912"   "6230180"   "6230238"   "6240157"   "6240036"   "6292886"   "6349382"   "6425070"   "6349362"   "6425070"   "6498705"   "65325250"   PN. OR ("7107302"). URPN.	US-PGPUB; USPAT; USOOR	OR .	ON	2007/03/01 18:51
S32	33	("4852035"   "5363408"   "5367476"   "5381357"   "5398073"   "5483529"   "5493343"   "5506636"   "550596").PN. OR ("5642382").UPPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/03/01 19:19

S33	515	multiplier\$1 and programmable and "708"/ \$.ccls. and rout\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/01 19:20
S34	12	(US-20060075012-\$ or US- 20050144215-\$), did. or (US-7107302-\$ or US- 6781408-\$ or US-6771094- \$ or US-6665695-\$ or US- 6711301-\$ or US-6538470- \$ or US-5311459-\$ or US- 4996661-\$ or US-7142011- \$ or US-6665696-\$), did.	US-PGPUB; USPAT	OR	ON	2007/08/07 13:46
S35	3	S34 and concatenat\$3	US-PGPUB; USPAT	OR	ON	2007/08/07 14:38
S36	1	"6538470".pn.	US-PGPUB; USPAT	OR	ON	2007/08/07 14:39
S37	2	"20030141898"	US-PGPUB; USPAT	OR	ON	2007/08/07 14:39
S38	354	"708"/\$.ccls. and @adc "20040220" and concatenat\$3 and (multiply \$3 or multiplication or multiplier\$1) and accumulat\$3 and (add\$3 or addition or subtract\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 14:46
<b>S</b> 39	30	S38 and (concatenat\$3 with accumulat\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 14:48
S40	13	((ZHENG and LEON).in. or (LANGHAMMER and MARTIN), in. or (PRASAD and NITIN).in. or (STARR and GREG).in. or (HWANG and CHIAO).in. or (THARMALINGAM and KUMARA).in.) and concatenat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/07 15:38

S41	14	[US-20050144215-\$ or US-20060075012-\$). did. or (US-7107302-\$ or US-6771094-\$ or US-5311459-\$ or US-6865696-\$ or US-6925480-\$ or US-7142011-\$ or US-6665696-\$ or US-630677-\$ or US-6711301-\$ or US-4996661-\$ or US-638470-\$), did.	US-PGPUB; USPAT	OR	ON	2007/08/08 15:56
S42	5	S41 and concatenat\$3	US-PGPUB; USPAT	OR	ON	2008/01/09 17:49
S43	2	("2005/0144215").URPN.	USPAT	OR	ON	2007/08/08 17:51
S44	0	(11/019518).APP.	USPAT; USOCR	OR	ON	2007/08/08 17:53
S45	7	("4302818"   "5644780"   "5903919"   "6044448"   "6078941"   "6134648"   "6223255").PN. OR ("6430677").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/08 17:54
S46	1704	@ad<"20040220" and multiplier\$1 and accumulat \$3 and concatenat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 17:58
S47	339	@ad<"20040220" and multiplier\$1.ti,clm,ab. and accumulat\$3 and concatenat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/08 17:58
S48	156	S47 and (programmable \$1 or configurable)	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/08 17:58
S49	1	"5034744".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 13:18
S50	1	"6477552".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 13:18
S51	2	"4876660".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:45

S52	324	"708"/\$.ccls. and @ad<"20040220" and (initializ\$3 or zero\$3) and (multiply\$3 or multiplication) and concatenat\$3 and accumulat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:46
S53	375	"708"/\$.ccls, and multiplier \$1 and accumulat\$3 and pixel\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:46
S54	161	S53 and programmable\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:46
<b>S</b> 55	110	S52 and feedback	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:47
S56	53	S55 and programmable	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:48
S57	7	S56 and concatenat\$3.ti, clm,ab.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/01/09 17:48
S58	14	(US-20050144215-\$ or US-20060075012-\$), did. or (US-7107302-\$ or US-6771094-\$ or US-5311459-\$ or US-6784408-\$ or US-6656996-\$ or US-67842011-\$ or US-7142011-\$ or US-6656995-\$ or US-6430677-\$ or US-6711301-\$ or US-4996661-\$ or US-6538470-\$), did.	US-PGPUB; USPAT	OR	ON	2008/01/09 17:49
S59	5	S58 and concatenat\$3	US-PGPUB; USPAT	OR	ON	2008/01/09 17:49
S60	15628	"708"/\$.ccls. and @ad<"20040220"	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 17:49

S61	4449	S60 and accumulat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 17:49
S62	3404	S61 and (multiplier\$1 or multiplication or multiplying)	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 17:49
S63	349	concatenat\$3 and S62	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 17:49
S64	124	S63 and programmable\$1	US-PGPUB; USPAT; USOCR	OR	ON	2008/01/09 17:49
S65	123	S64 and ("zero" or "0")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR		2008/01/09 17:49
S66	15	(US 20050144215-\$ or US 20060075012-\$), did. or (US-6665695-\$ or US-6666596-\$ or US-7107302-\$ or US-6536596-\$ or US-5311459-\$ or US-653817-\$ or US-6711941-\$ or US-67381408-\$ or US-67381408-\$ or US-67381408-\$ or US-6781408-\$ or US-6781408-\$ or US-6781408-\$ or US-6781608-\$), did.	US-PGPUB; USPAT	OR	ON	2008/07/01 13:01
S67	11	S66 and (zero\$1 or initial \$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	**************************************	2008/07/01 13:02
S68	537	((zero\$1 or initial\$4) same accumulator\$1) and @ad<"20040220" and concatenat\$3 and multiply \$3 and (cycle\$1 or clock \$1 or period\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/01 13:05
S69	25	((zero\$1 or initial\$4) same accumulator\$1).clm,ti,ab. and @ad-< "20040220" and concatenat\$3 and multiply \$3 and (cycle\$1 or clock \$1 or period\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/07/01 13:05
S70	54	("4215416"   "4546446"   "4700324").PN. OR ("4876660").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/07/01 13:07
S71	18		US-PGPUB; USPAT: USOCR	OR	ON	2008/07/01 13:08

S72	13	(US-20050144215-\$ or US- 20060075012-\$), id. or (US-7107302-\$ or US- 6771094-\$ or US-5311459- \$ or US-674408-\$ or US-665696-\$ or US-6925480- \$ or US-7142011-\$ or US- 6665695-\$ or US-6430677- \$ or US-6711301-\$ or US- 4996661-\$ or US-6538470- \$), did.	US-PGPUB; USPAT	OR	ON	2008/11/23 22:06
S73	5	S72 and concatenat\$3	US-PGPUB; USPAT	OR	ON	2008/11/23 22:06
S74	54	chat.xa. and accumulat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/23 22:07
S75	77	chat.xa. and multiplier\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/23 22:07
S76	42	S75 not S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2008/11/23 22:07
S77	13	(US-20050144215-\$ or US- 20050075012-\$).did. or (US-7107302-\$ or US- 6771094-\$ or US-5311459- \$ or US-6781408-\$ or US-6865696-\$ or US-6925480- \$ or US-7142011-\$ or US- 6665695-\$ or US-6430677- \$ or US-6711301-\$ or US- 4996661-\$ or US-6538470- \$).did.	US-PGPUB; USPAT	OR	ON	2008/11/23 22:07
S78	5	S77 and concatenat\$3	US-PGPUB; USPAT	OR	ON	2008/11/23 22:07
S79	120	(zheng.in. and leon.in.) or (langhammer.in. and martin.in.) or (grasad.in. and nitin.in.) or (starr.in. and greg.in.) or (hwang. in. and chiao.in.) or (harmalingam.in. and kumara.in.)	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/23 22:07

S80	49	S79 and accumulat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/23 22:07
S81	9	S80 and concatenat\$3	US-PGPUB; USPAT; USOCR	OR	ON	2008/11/23 22:07
S82	15	(US-20050144215-\$ or US- 20060075012-\$), did. or (US-6665695-\$ or US- 6665696-\$ or US-7107302- or US-6925480-\$ or US- 4996661-\$ or US-5311459- \$ or US-653847-\$ or US- 7142011-\$ or US-6771094- \$ or US-6781408-\$ or US- 6711301-\$ or US-67340677- \$ or US-487660-\$), did.	US-PGPUB; USPAT	OR	ON	2009/05/08 01:29
S83	6	S82 and concatenat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 01:29
S84	54	chat.xa. and accumulat\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 01:51
S85	77	chat.xa. and multiplier\$1	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 01:51
S86	42	S85 not S84	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/05/08 01:51
S87	111	(US-20050144215-\$ or US- 20060075012-\$), did. or (US-7107302-\$ or US- 6771094-\$ or US-5311459- 5 or US-6781408-\$ or US- 6665696-\$ or US-6925480- \$ or US-7142011-\$ or US- 6665695-\$ or US-6430677- \$ or US-6711301-\$ or US- 4996661-\$ or US-6538470- \$), did.	US-PGPUB; USPAT	OR	ON	2009/05/08 01:51
S88	3	S87 and concatenat\$3	US-PGPUB; USPAT	OR	ON	2009/05/08 01:51

S89	0	(11/019518).APP.	USPAT; USOCR	OR	ON	2009/05/08 01:51
S90	2	("2005/0144215").URPN.	USPAT	OR	ON	2009/05/08 01:51
S91	1004	"708"/\$.ccis. and (cascad \$3 or concatenat\$3) and accumulat\$3 and multiplication	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/21 17:13
S92	933	S91 and (initial\$5 or zero \$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/21 17:13
S93	361	S92 and feedback	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/21 17:14
S94	272	\$93 and @ad<"20040220"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/21 17:14
<b>S9</b> 5	272	\$94 and (multiply or multiplication)	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/21 17:14
S96	15	[(US-20050144215-\$ or US-20060075012-\$).idi. or (US-6665696-\$ or US-6665696-\$ or US-7107302-\$ or US-6956947-\$ or US-5311459-\$ or US-6539470-\$ or US-7142011-\$ or US-6731408-\$ or US-6731301-\$ or US-6731408-\$	US-PGPUB; USPAT	OR	ON	2009/07/21 17:21
S97	7	\$96 and (cascad\$3 or concatenat\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/07/21 17:22

S98	2	"6919794".pn.	US-PGPUB;	OR	ON	2009/07/22	~
	1	-	USPAT;			16:05	
-			USOCR; EPO;				
	1		JPO;				
1		****	DERWENT;				-
	i		IBM_TDB				

## EAST Search History (Interference)

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## 7/23/2009 9:25:23 AM

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